



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/591,362	09/01/2006	Lifeng Zhang	42P24052	9384
45209	7590	06/16/2009	EXAMINER	
INTEL/BSTZ			BELOUSOV, ANDREY	
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP				
1279 OAKMEAD PARKWAY			ART UNIT	PAPER NUMBER
SUNNYVALE, CA 94085-4040			2174	
			MAIL DATE	DELIVERY MODE
			06/16/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/591,362	ZHANG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	ANDREY BELOUSOV	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 04 March 2009.  
 2a) This action is **FINAL**.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-3,5,6,8,9,11-15 and 17-20 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-3,5,6,8,9,11-15 and 17-20 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ .                                    |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____.   | 6) <input type="checkbox"/> Other: _____ .                        |

## DETAILED ACTION

1. This action is responsive to the filing of 3/4/2009. Claims 4, 7, 10 and 16 were cancelled. Claims 1-3, 5, 6, 8, 9, 11-15 and 17-20 are pending and have been considered below.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 rejected under 35 U.S.C. 103(a) as being unpatentable over Vong (6,917,373) in view of Norton (Norton AntiVirus Gold 5.0, Feb. 1999, PC Update, pages 1-3 and Fig. 1-9.)

**Claim 1:** Vong discloses a method comprising:

- a. presenting information (Fig. 5) of a computing device on exterior panels (Fig. 2: 307; 7:35-45) that enclose the computing device (Fig. 2: 200);
- b. receiving an activation of an indicator button on the exterior panels, the indicator button being a physical button (8:1-4) dedicated to indicate a status of the computing module (8:21-24);
- c. triggering operations (e.g. launching an application, 9:1-25) in response to the activation (9:1-3); and

d. and receiving commands (such as to change the buttons to represent different actions, 9:8-10) from the exterior panel during the operations (while in the process of launching an application, 9:1-25.)

However, Vong does not explicitly disclose wherein the information presented and operations performed are in relation to virus and anti-virus activity, respectively. Norton discloses an antivirus application including presenting virus information and receiving commands to perform anti-virus operations (Fig. 1.) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the Norton application with the teaching of Vong. One would have been motivated to configure the control panel of Vong to display antivirus type applications, such as disclosed by Norton based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 2:** Vong and Norton disclose the method of claim 1. Vong further discloses wherein receiving commands comprises: presenting at least one option on a display module located on the exterior panels (Fig. 5; 7:35-45.)

**Claim 3:** Vong and Norton disclose the method of claim 1. Vong and Norton further disclose wherein presenting virus information comprises: displaying progress of the anti-virus operations (Norton: Fig. 4) on a display module located on the exterior panels (Vong: Fig. 2, 5; 7:35-45.)

**Claim 5:** Vong and Norton disclose the method of claim 1. Vong further discloses further comprising indicating, with a first color of the indicator button (12:65-10) a first state. However, Vong does not explicitly disclose wherein the state is a presence of a virus on the computing device. Norton discloses an anti-virus application that indicates a presence of a virus on the computing device (Fig. 7: “Infected files found”.) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the Norton application with the teaching of Vong. One would have been motivated to configure the control panel of Vong to display antivirus information, such as the presence of a virus as disclosed by Norton, based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 6:** Vong and Norton disclose the method of claim 5, further comprising: indicating, with a second color of the virus indicator button (12:65-10) a second state. However, Vong does not explicitly disclose wherein the state the anti-virus software on the computing device as out-of-date. Norton discloses an anti-virus application that indicates if anti-virus software on the computing device as out-of-date (Fig. 1: Using virus definitions dated 29/07/98".) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the Norton application with the teaching of Vong. One would have been motivated to configure the control

panel of Vong to display antivirus related information, such as when anti-virus software on the computing device as out-of-date as disclosed by Norton, based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 8:** Vong and Norton disclose the method of claim 1. Vong further discloses further comprising: highlighting an icon on a display module at the exterior panel to indicate an associated activity as needing attention (8:13-24.)

**Claim 9, 15:** Vong discloses an apparatus comprising:

- a. a computing module coupled to a main display and enclosed by exterior panels (Fig. 2: 307; 7:35-45);
- b. an indicator button on the exterior panels, wherein the indicator button is a physical button (8:1-4) dedicated to indicated a status (8:21-24) of the computing module and to trigger operations (e.g. launching an application, 9:1-25) when the indicator button is activated (9:1-3);
- c. a display module on the exterior panels to present information of the computing device (Fig. 2, 5; 7:35-45); and
- d. a plurality of user buttons adjacent to the display module to receive commands (such as to change the buttons to represent different actions, 9:8-10) during the operations (while in the process of launching an application, 9:1-25.)

However, Vong does not explicitly disclose wherein the information presented and operations performed are in relation to virus and anti-virus activity, respectively. Norton discloses an antivirus application including presenting virus information and receiving commands to perform anti-virus operations (Fig. 1.) Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to use the Norton application with the teaching of Vong. One would have been motivated to configure the control panel of Vong to display antivirus type applications, such as disclosed by Norton based on the suggestion in Vong (7:46-67) for configuring the control panel to work with a large selection of applications, including alerts (10:2-7) and notices from the operating system and/or specific applications.

**Claim 11, 17:** Vong and Norton disclose the apparatus of claim 9. Vong and Norton disclose wherein the virus indicator button comprises: a light-emitting diode (LED) (Vong: 8:25-67) to display a first color to indicate a presence of virus (Norton: Fig. 7) on the computing device and a second color to indicate anti-virus software on the computing device as out-of-date (Fig. 1: Using virus definitions dated 29/07/98".)

**Claim 12, 18:** Vong and Norton disclose the apparatus of claim 9. Vong further discloses wherein the display module comprises: a liquid-crystal module (LCM) (2:58-67.)

**Claim 13, 19:** Vong and Norton disclose the apparatus of claim 9. Norton further discloses further comprises: a microcontroller including a first logic unit to display progress of the anti-virus operations on the display module (Fig. 4.)

**Claim 14, 20:** Vong and Norton disclose the apparatus of claim 9. Vong further discloses further comprising: a microcontroller including a second logic unit to display at least one option on the display module (Fig. 5), wherein the displayed option is positioned adjacent to one of the user buttons (Fig. 5; 8:25-50.)

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-3, 5, 6, 8, 9, 11-15 and 17-20 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Belousov whose telephone number is (571) 270-1695. The examiner can normally be reached on Mon-Fri (alternate Fri off) EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dennis Chow can be reached on (571) 272-7767. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3800.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AB  
May 26, 2009

/Steven P Sax/  
Primary Examiner, Art Unit 2174

Application/Control Number: 10/591,362  
Art Unit: 2174

Page 9